AIWA®

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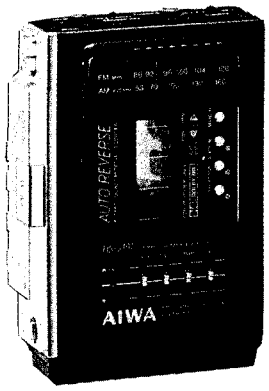
SERVICE MANUAL

MODEL NO. HS-J101, J700

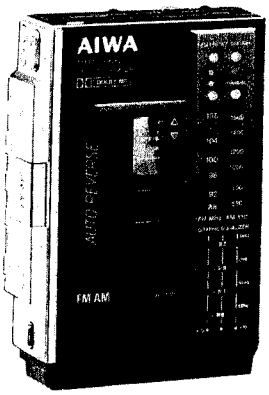


■STEREO RADIO CASSETTE RECORDER

■TYPE. Y

■BASIC MECHANIS:2ME-7

MODEL NO. HS-T101, T700



■STEREO RADIO CASSETTE PLAYER

■TYPE. Y

■BASIC MECHANIS:2ME-7

SPECIFICATIONS

<Radio Section> (HS-J101/J700)

Frequency range:	FM: 87.5—108 MHz AM: 530—1,605 kHz
Antenna:	FM headphone antenna AM ferrite bar antenna

<Tape Recorder Section>

Track arrangement:	4-track, 2-channel, stereo
Frequency range:	40 to 12,500 Hz (NORMAL tape) 40 to 16,000 Hz (METAL tape)
Microphone:	Electret-condenser microphone (Single-point stereo, detachable)
Maximum output:	15 mW + 15 mW (EIAJ/DC)
Input terminal:	MIC jack, 3.5 φ stereo mini ×1
Output terminal:	Phones jack, 3.5 φ stereo mini ×1
Power Source:	Battery DC 2 V, rechargeable lead battery (AIWA) ×1 Battery DC 3V, LR-03 (UM-4, AAA, R03) ×2 Domestic AC power (using AC adaptor)
Battery life:	• Using manganese batteries (R03, UM-4, AAA) Approx. 1.5 hours (EIAJ, recording mode) Approx. 2 hours (EIAJ, 1 mW output, playback mode) • Using alkaline batteries (LR-03, AM-4, AAA) Approx. 3 hours (EIAJ, recording mode) Approx. 4 hours (EIAJ, 1 mW output, playback mode)
Dimensions:	75.8 (H) ×106.5 (W) ×25.9 (D) mm (excluding any projecting parts)
Maximum dimensions:	79.5 (H) ×110 (W) ×30.3 (D) mm
Weight:	280 g (including batteries)

<Radio Section> (HS-T101/T700)

Frequency range:	FM: 87.5—108 MHz AM: 530—1,605 kHz
Antenna:	FM headphone antenna AM ferrite bar antenna

<Tape Player Section>

Track arrangement:	4-track, 2-channel, stereo
Frequency range:	40 to 12,500 Hz (NORMAL tape) 40 to 16,000 Hz (METAL tape)
Maximum output:	15 mW + 15 mW (EIAJ/DC)
Output terminal:	Phones jack, 3.5 φ stereo mini ×1
Power Source:	Battery DC 2 V, rechargeable lead battery (AIWA) ×1 Battery DC 3 V, LR-03 (UM-4, AAA, R03) ×2 Domestic AC power (using AC adaptor)
Battery life:	• Using manganese batteries (R03, UM-4, AAA) Approx. 2 hours (EIAJ, 1 mW output, playback mode) • Using alkaline batteries (LR-03, AM-4, AAA) Approx. 4 hours (EIAJ, 1 mW output, playback mode)
Dimensions:	75.8 (H) ×106.5 (W) ×25.9 (D) mm (excluding any projecting parts)
Maximum dimensions:	79.5 (H) ×110 (W) ×30.3 (D) mm
Weight:	280 g (including batteries)

- Design and specifications are subject to change without notice.
- Noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation.
- Dolby and the DD symbol are trademarks of Dolby Laboratories Licensing Corporation.

AIWA Co., Ltd. Tokyo Japan

Printed in Japan

DISASSEMBLY INSTRUCTIONS

1. Removing Cassette Lid

(See Figure-1)

SCREW Ⓐ (V+1.4-1.4)×2

Hook×2

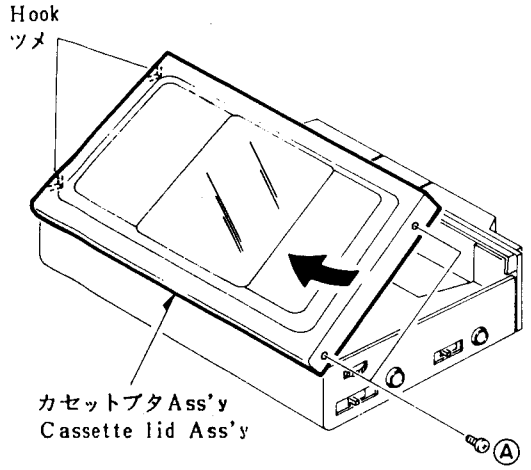


Fig. 1

2. Removing Control Panel

(See Figure-2)

SCREW Ⓑ (SCREW, CABINET M1.4)×2

SCREW Ⓒ (SPECIAL SCREW V+1.4-2.5)×2

Remove it in the direction of the arrow ①.

3. Removing Rear Cabinet

(See Figure-2)

SCREW Ⓓ (SPECIAL SCREW V+1.4-1.8)×3

SCREW Ⓔ (SPECIAL SCREW V+1.4-2.5)×3

Knob×2

Remove it in the direction of the arrow ②.

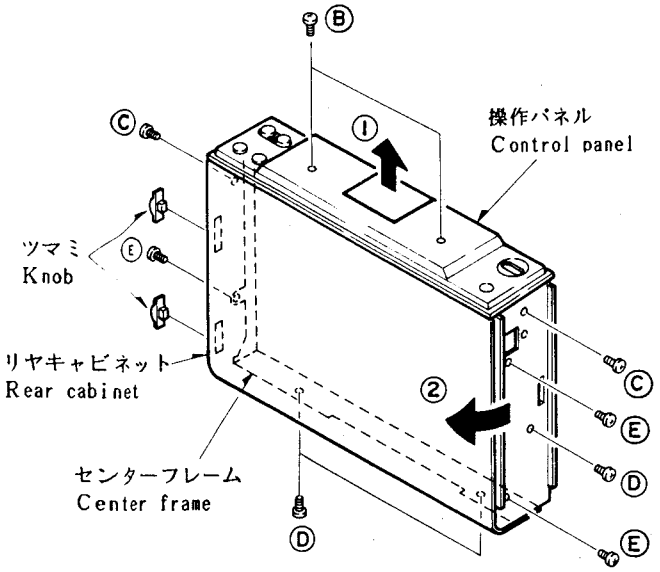


Fig. 2

4. Removing Cassette Holder Ass'y

(See Figure-3)

SCREW Ⓕ (HINGE SCREW 1.4-1)×1

STE×1

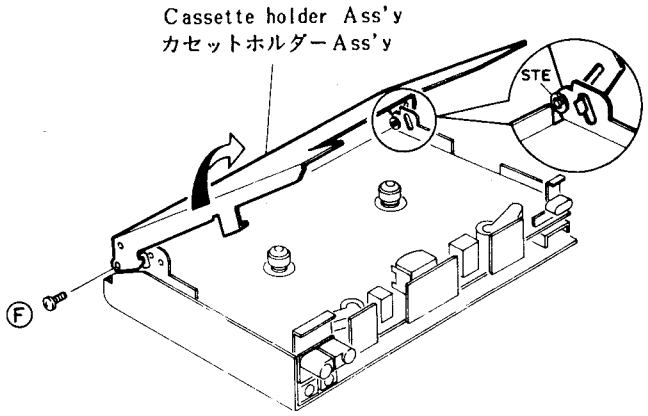


Fig. 3

5. Removing Circuit Board

(See Figure-4)

SCREW Ⓖ (V+1.4-3)×1

SCREW Ⓗ (V+1.4-2.2)×1

Unsolder the preset volume circuit board.

Note) To operate the mechanism without the circuit board, short-circuit the pattern and chassis shown by the arrows using a jumper to prevent the auto-stop feature from malfunctioning.

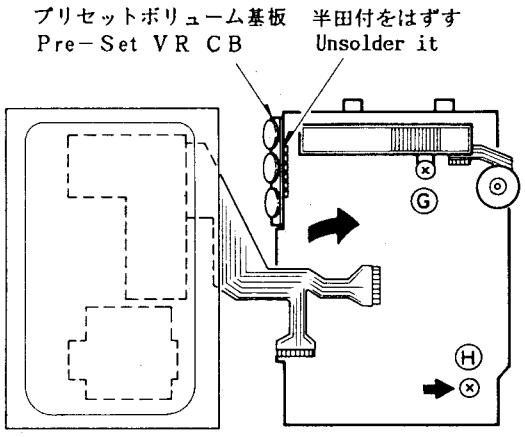


Fig.4

ELECTRICAL MAIN PARTS LIST (HS-J101/J700)

※ Please order the all parts for this model to Japan.

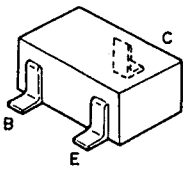
REF. No.	PART No.	DESCRIPTION
=== IC ===		
	87-020-964	IC,BA3828F
	87-020-505	IC,CX20023
	87-020-224	IC,NJM2063A
	87-020-234	IC,TA7688F(S)
	87-020-727	IC,TA7792F
	87-020-963	IC,TA8170F
	87-001-128	IC,TC9305F-035
=== TRANSISTOR ===		
	89-502-094	FET 2SK209Y
	89-502-114	FET 2SK211Y
	87-026-233	TRANSISTOR,DTA114TK
	87-026-229	TRANSISTOR,DTA143XK
	87-026-223	TRANSISTOR,DTC143TK
	87-026-224	TRANSISTOR,DTC143XK
	87-026-298	TRANSISTOR,FMW1
	89-111-623	TRANSISTOR,2SA1162Y
	89-113-625	TRANSISTOR,2SA1362GR
	89-333-266	TRANSISTOR,2SC3326B
	87-026-276	TRANSISTOR,2SD596 DV3
	89-413-285	TRANSISTOR,2SD1328T
	89-327-125	TRANSISTOR,2SC2712GR
	89-327-143	TRANSISTOR,2SC2714
=== MAIN CIRCUIT BOARD SECTION ===		
PCB-A	*	MAIN CIRCUIT BOARD
BPF1	★ 87-030-103	FILTER BPMB8L
C1	★ 87-010-197	CAP,CHIP 0.01BK
C2	★ 87-010-178	CAP,CHIP 1000P
C3	★ 87-010-197	CAP,CHIP 0.01 BK
C4	★ 87-010-187	CAP,CHIP S 5600P
C5	★ 87-010-312	CAP,CHIP 15P CH
C6	★ 87-010-194	CAP,CHIP 0.047
C7	★ 87-010-313	CAP,CHIP 18P CH
C8	★ 87-010-197	CAP,CHIP 0.01BK
C9	★ 87-010-318	CAP,CHIP 47P CH
C10	★ 87-010-195	CAP,CHIP 0.068
C11	★ 87-010-197	CAP,CHIP 0.01 BK
C12	★ 87-010-197	CAP,CHIP 0.01 BK
C13	★ 87-010-230	CAP,TANTALUM 10-4
C14	★ 87-010-197	CAP,CHIP 0.01 BK
C15	★ 87-010-152	CAP,CHIP 8P CH
C16	★ 87-010-318	CAP,CHIP 47P CH
C17	★ 87-010-196	CAP,CHIP 0.1
C18	★ 87-010-184	CAP,CHIP S B 3300P (K)
C19	★ 87-010-315	CAP,CHIP 27P CH
C20	★ 87-010-173	CAP,CHIP 390P
C21	★ 87-010-152	CAP,CHIP 8P
C22	★ 87-010-315	CAP,CHIP 27P
C23	★ 87-010-197	CAP,CHIP 0.01BK
C24	★ 87-010-177	CAP,CHIP S 820P SL
C25	★ 87-010-082	CAP,ELECT N 220-4
C26	★ 87-010-196	CAP,CHIP 0.1
C27	★ 87-010-452	CAP,CHIP 1U
C28	★ 87-010-178	CAP,CHIP S 1000P
C29	★ 87-010-165	CAP,CHIP S 82P
C30	★ 87-010-196	CAP,CHIP 0.1
C32	★ 87-010-425	CAP,CHIP 0.22
C33	★ 87-010-191	CAP,CHIP 0.015
C34	★ 87-010-115	CAP,ELECT 100-4
C35	★ 87-010-452	CAP,CHIP 1U
C36	★ 87-010-196	CAP,CHIP 0.1
C37	★ 87-010-194	CAP,CHIP 0.047
C38	★ 87-010-140	CAP,CHIP 470P CH
C40	★ 87-010-426	CAP,CHIP 0.012
C41	★ 87-010-426	CAP,CHIP 0.012
C42	★ 87-010-195	CAP,CHIP 0.068
C43	★ 87-010-195	CAP,CHIP 0.068
C44	★ 87-010-452	CAP,CHIP 1U
C48	★ 87-010-197	CAP,CHIP 0.01BK
C49	★ 87-010-115	CAP,ELECT 100-4
C50	★ 87-010-197	CAP,CHIP 0.01BK
C51	★ 87-010-318	CAP,CHIP 47P
C52	★ 87-010-197	CAP,CHIP 0.01BK
C53	★ 87-010-152	CAP,CHIP 8P CH
C54	★ 87-010-197	CAP,CHIP 0.01BK
C55	★ 87-010-197	CAP,CHIP 0.01BK
C56	★ 87-010-452	CAP,CHIP 1U
C57	★ 87-010-075	CAP,ELECT 10-16
C58	★ 87-010-196	CAP,CHIP 0.1
C59	★ 87-010-082	CAP,ELECT N 220-4
C60	★ 87-010-195	CAP,CHIP 0.068
C70	★ 87-010-082	CAP,ELECT N 220-4
C71	★ 87-010-196	CAP,CHIP 0.1
C72	★ 87-010-197	CAP,CHIP 0.01BK
C79	★ 87-010-197	CAP,CHIP 0.01BK
C101	★ 87-010-197	CAP,CHIP 0.01BK
C102	★ 87-010-197	CAP,CHIP 0.01BK
C103	★ 87-010-177	CAP,CHIP S 820P SL
C104	★ 87-010-177	CAP,CHIP S 820P SL
C105	★ 87-010-082	CAP,ELECT-N 220-4
C106	★ 87-015-215	CAP,CHIP TANTALUM 0.047-35
C107	★ 87-015-215	CAP,CHIP TANTALUM 0.047-35
C108	★ 87-010-114	CAP,ELECT 47-4
C109	★ 87-010-114	CAP,ELECT 47-4
C110	★ 87-010-114	CAP,ELECT 47-4
C111	★ 87-010-178	CAP,CHIP 1000P
C112	★ 87-010-178	CAP,CHIP 1000P
C113	★ 87-010-192	CAP,CHIP 0.022
C114	★ 87-010-192	CAP,CHIP 0.022
C115	★ 87-010-197	CAP,CHIP 0.1 BK
C116	★ 87-010-197	CAP,CHIP 0.01 BK
C117	★ 87-015-934	CAP,CHIP TANTALUM 2.2-4
C118	★ 87-015-934	CAP,CHIP TANTALUM 2.2-4
C119	★ 87-010-114	CAP,ELECT 47/4
C120	★ 87-010-114	CAP,ELECT 47/4
C121	★ 87-010-114	CAP,ELECT 47/4
C122	★ 87-010-114	CAP,ELECT 47/4
C123	★ 87-010-082	CAP,ELECT-N 220-4
C124	★ 87-010-196	CAP,CHIP 0.01BK
C125	★ 87-010-197	CAP,CHIP 0.01BK
C126	★ 87-010-173	CAP,CHIP 390P
C127	★ 87-015-196	CAP,CHIP 0.1
C128	★ 87-010-090	CAP,TANTALUM 4.7U
C129	★ 87-010-182	CAP,CHIP 2200P
C130	★ 87-010-087	CAP,TANTALUM 1-4
C131	★ 87-010-184	CHIP S B 3300P(K)
C132	★ 87-010-196	CAP,CHIP 0.1
C133	★ 87-010-196	CAP,CHIP 0.1
C135	★ 87-015-934	CAP,CHIP TANTALUM 2.2-4
C136	★ 87-015-934	CAP,CHIP TANTALUM 2.2-4
C149	★ 87-010-114	CAP,ELECT 47/4
C150	★ 87-010-082	CAP,ELECT-N 220-4
C151	★ 87-015-934	CAP,CHIP TANTALUM 2.2-4
C152	★ 87-015-934	CAP,CHIP TANTALUM 2.2-4
C153	★ 87-012-140	CAP,CHIP S 470P CH

※ Please order the all parts for this model to Japan.

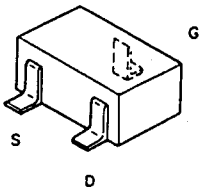
REF. No.		PART No.	DESCRIPTION
C154	★	87-012-140	CAP,CHIP S 470P CH
C155	★	87-010-178	CAP,CHIP 1000P
C156	★	87-010-178	CAP,CHIP 1000P
C157	★	87-010-082	CAP,ELECT-N 220-4
C158	★	87-010-082	CAP,ELECT-N 220-4
C159	★	87-010-115	CAP,ELECT 100-4
C160	★	87-010-114	CAP,ELECT 47/4
C161	★	87-010-230	CAP,TANTALUM 10-4
C162	★	87-010-082	CAP,ELECT 220-4
C163	★	87-010-082	CAP,ELECT 220-4
C164	★	87-010-425	CAP,CHIP 0.22
C165	★	87-010-425	CAP,CHIP 0.22
C170	★	87-010-197	CAP,CHIP 0.01 BK
C171	★	87-010-425	CAP,CHIP 0.22
C172	★	87-010-090	CAP,TANTALUM 4.7U
C173	★	87-010-197	CAP,CHIP 0.01
C174	★	87-010-224	CAP,TANTALUM 100-4
C175	★	87-015-934	CAP,CHIP TANTALUM 2.2-4
C176	★	87-010-184	CHIP S B 3300P(K)
C177	★	87-010-197	CAP,CHIP 0.01
C180	★	87-010-452	CAP,CHIP 1U
CF1	★	87-008-299	FILTER SFT 10.7MS2Z (FMCF)
CF2	★	87-008-284	FILTER PFB 468J (AMCF)
D1	★	87-011-209	DIODE,VAR SVC341
D2	★	87-011-210	DIODE,VAR KV1330A-2
D3	★	87-020-743	DIODE,VAR MA341B TX
D4		87-020-734	DIODE CHIP MA 704
D16		87-020-027	DIODE CHIP 1SS184
D17		87-020-027	DIODE CHIP 1SS184
D18		87-020-027	DIODE CHIP 1SS184
D19		87-020-027	DIODE CHIP 1SS184
D20		87-020-125	DIODE CHIP 1SS181
D21		87-020-595	DIODE,ZENER CHIP 02CZ 16Y
D101		87-020-125	DIODE CHIP 1SS181
D102		87-020-734	DIODE CHIP MA 704
D103		87-020-339	DIODE CHIP 1SS226
J1		87-049-411	JACK 3.5 G (PHONES)
J2		87-049-419	JACK 3.5 R (MIC)
J3		87-049-549	JACK DC (DC2V)
L1	★	87-005-257	COIL CHIP 1.5UH
L2	★	87-006-139	ANT,FERRITE BAR COIL (BAR ANT)
L3	★	84-417-613	FM ANT COIL
L4	★	84-435-613	FM OSC COIL
L5	★	87-008-122	COIL OSC AM CP
L6	★	87-008-321	IFT AM 5CDL
L7	★	87-007-200	COIL DET FM CP
L8	★	87-005-258	COIL CHIP 2.2UH
L9	★	84-427-608	DC-DC COIL
L10	★	87-005-261	COIL CHIP 6.8UH
L101	★	87-007-230	COIL BIAS OSC
L102	★	87-003-089	COIL,CHOKE 47UH
L103	★	84-435-624	COIL CHOKE 1UH
L104	★	84-435-624	COIL CHOKE 1UH
L105	★	84-435-624	COIL CHOKE 1UH
L106	★	87-003-089	COIL,CHOKE 47UH
R49	★	84-435-630	THERMISTOR MPT3.9K
S1		87-031-992	SLIDE SW (FWD/REV)
S2		87-031-992	SLIDE SW (REC/PB)
S3		87-036-016	SLIDE SW (TAPE,FM MODE)
S4		87-036-016	SLIDE SW (DOLBY)
S5		87-036-016	SLIDE SW (PAUSE)
S6		87-031-994	SLIDE SW (FUNCTION)
S7		87-031-993	LEAF SW (STOP)
S8		87-036-073	TACT SW (DIRECTION FF)
S9		87-036-073	TACT SW (DIRECTION REW)
S11		87-036-072	C TACT SW (MANUAL)
S12		87-036-072	C TACT SW (PRESET)
S13		87-036-072	C TACT SW (PRESET)
S14		87-036-072	C TACT SW (PRESET)
S15		87-036-017	SLIDE SW (BAND)
SFR2	★	87-020-801	SFR 22K
SFR3	★	87-024-067	SFR CHIP 100K
SFR1	★	87-021-944	SFR CHIP 20K
SFR101	★	87-021-983	SFR CHIP 5K
SFR102	★	87-021-983	SFR CHIP 5K
SFR6	★	87-024-067	SFR CHIP 100K
TC1	★	87-011-189	TRIMMER CHIP CTZ-10A
TC2	★	87-011-189	TRIMMER CHIP CTZ-10A
TC3	★	87-011-189	TRIMMER CHIP CTZ-10A
TC4	★	87-011-189	TRIMMER CHIP CTZ-10A
VR100		87-021-985	VOLUME 20KA S (VOLUME)
VR4		87-024-055	VOLUME 100K (TUNING)
☰☰ COMPARATOR CIRCUIT BOARD SECTION ☰☰			
PCB-B		*	COMPALATOR CIRCUIT BOARD
C45	★	87-010-452	CAP,CHIP 1U
C46	★	87-010-196	CAP,CHIP 0.1
C47	★	87-010-192	CAP,CHIP 0.022
C137	★	87-010-188	CAP,CHIP 6800P
C138	★	87-010-188	CAP,CHIP 6800P
C139	★	87-010-193	CAP,CHIP 0.033
C140	★	87-010-193	CAP,CHIP 0.033
C141	★	87-010-194	CAP,CHIP 0.047
C142	★	87-010-194	CAP,CHIP 0.047
C143	★	87-010-214	CAP,CHIP TANTALUM 0.68-16
C144	★	87-010-214	CAP,CHIP TANTALUM 0.68-16
C145	★	87-010-186	CAP,CHIP S B 4700P(K)
C146	★	87-010-186	CAP,CHIP S B 4700P(K)
C147	★	87-010-452	CAP,CHIP 1U
C148	★	87-010-452	CAP,CHIP 1U
D5	★	87-020-508	LED CHIP (TUNING POINT)
D6	★	87-020-508	LED CHIP (TUNING POINT)
D8	★	87-020-508	LED CHIP (TUNING POINT)
D9	★	87-020-508	LED CHIP (TUNING POINT)
D10	★	87-020-508	LED CHIP (TUNING POINT)
D11	★	87-020-508	LED CHIP (TUNING POINT)
D12	★	87-020-508	LED CHIP (TUNING POINT)
D13	★	87-020-508	LED CHIP (TUNING POINT)
D14	★	87-020-508	LED CHIP (TUNING POINT)
D15	★	87-020-508	LED CHIP (TUNING POINT)
☰☰ GE CIRCUIT BOARD SECTION ☰☰			
		84-437-604	G.EQ ASSY (W/PCB-C)
☰☰ SENSOR CIRCUIT BOARD SECTION ☰☰			
PCB-D		86-530-623	SENSOR CIRCUIT BOARD
PR1		87-022-507	PHOTO SENSOR SP1900(0)
☰☰ FM PRESET VR CIRCUIT BOARD SECTION ☰☰			
PCB-E		*	FM PRESET VR CIRCUIT BOARD
VR1		87-024-054	VOLUME 100K (PRESET)
VR2		87-024-054	VOLUME 100K (PRESET)
VR3		87-024-054	VOLUME 100K (PRESET)
☰☰ BATT.CON. CIRCUIT BOARD SECTION ☰☰			
PCB-F		*	BATT.CON CIRCUIT BOARD
		84-435-246	TERMINAL ASSY

※ Please order the all parts for this model to Japan.

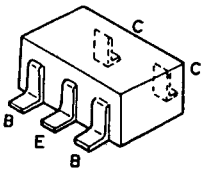
REF. No.	PART No.	DESCRIPTION
☐☐☐ MOTOR CIRCUIT BOARD SECTION ☐☐☐		
M1	86-530-626	MOTOR(J)(N) (W/PCB-G)
☐☐☐ HEAD CIRCUIT BOARD SECTION ☐☐☐		
RPH	84-435-618	RPH ASSY (W/PCB-H)
RPH	82-681-604	RPH (REC/PB HEAD)
	84-435-619	FLEXIBLE CIRCUIT BOARD
EH	★ 86-530-605	EH-EA61
☐☐☐ FLEXIBLE CIRCUIT BOARD SECTION ☐☐☐		
PCB-I	84-435-612	FLEXIBLE CIRCUIT BOARD
☐☐☐ MISCELLANEOUS ☐☐☐		
	★ 84-435-612	FLEXIBLE 20P
S10	86-530-622	LEAF SW (PLAY)



DTA114
DTA143
DTB123
DTC143
2SA1162
2SA1362
2SC2714
2SC3326
2SC3547
2SD596
2SD1328



2SK209
2SK211



FMW1

Combination circuit board **84-435-626**
PCB-A **84-435-627**
PCB-E **84-435-629**
PCB-F **84-435-628**

■ACCESSORIES/PACKAGE LIST (HS-J101/J700)

※ Please order the all parts for this model to Japan.

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q, TY
	1	★84-435-906	INSTRUCTION BOOKLET (Y ONLY)	*	1
	2	★84-435-907	INSTRUCTION BOOKLET (YU ONLY)	*	1
	3	84-435-019	BATTERY BOX A	*	1
	4	09-027-496	BATTERY CASE ASSY (UM-4)		1
	5	★84-435-952	CARRYING CASE		1
	6	87-048-134	HP-M13 (Y,YU ONLY)		1
	7	★87-048-131	HP-08 (Y1 ONLY)		1
	8	★87-041-048	STEREO MIC		1
	9	★87-042-038	AC-200 H (H ONLY)		1
	10	★87-042-039	AC-200 U (U ONLY)		1
	11	★87-042-041	AC-200 E (Z ONLY)		1
	12	★87-042-042	AC-200 K (K ONLY)		1

ELECTRICAL MAIN PARTS LIST (HS-T101/T700)

※ Please order the all parts for this model to Japan.

REF. No.	PART No.	DESCRIPTION
=== IC ===		
	87-020-956	IC,BA3513AF
	87-020-964	IC,BA3828F
	87-020-224	IC,NJM2063A
	87-020-727	IC,TA7792F
	87-020-963	IC,TA8170F
	87-001-128	IC,TC9305-035
=== TRANSISTOR ===		
	89-502-095	FET 2SK209GR
	89-502-114	FET,2SK211Y
	87-026-233	TRANSISTOR,DTA114TK
	87-026-296	TRANSISTOR,DTA143TK
	87-026-229	TRANSISTOR,DTA143XK
	87-026-302	TRANSISTOR,DTB123TK
	87-026-223	TRANSISTOR,DTC143TK
	87-026-224	TRANSISTOR,DTC143XK
	87-026-298	TRANSISTOR,FMW1
	89-111-623	TRANSISTOR,2SA1162Y
	89-333-266	TRANSISTOR,2SA3326B
	89-327-145	TRANSISTOR,2SC2714GR
	89-327-143	TRANSISTOR,2SC2714 O
	87-026-276	TRANSISTOR,2SD596
=== MAIN CIRCUIT BOARD SECTION ===		
PCB-A	*	MAIN CIRCUIT BOARD
BPF1	★ 87-030-103	FILTER BPMB 8L 6.5
C1	★ 87-010-177	CAP,CHIP 820P
C2	★ 87-010-177	CAP,CHIP 820P
C3	★ 87-010-177	CAP,CHIP 820P
C4	★ 87-010-177	CAP,CHIP 820P
C5	★ 87-010-114	CAP,ELECT 47-4
C6	★ 87-010-114	CAP,ELECT 47-4
C7	★ 87-010-192	CAP,CHIP 0.022
C8	★ 87-010-192	CAP,CHIP 0.022
C9	★ 87-015-934	CAP,CHIP TANTALUM 2.2-4
C10	★ 87-015-934	CAP,CHIP TANTALUM 2.2-4
C11	★ 87-010-192	CAP,CHIP 0.022
C12	★ 87-010-192	CAP,CHIP 0.022
C13	★ 87-010-174	CAP,CHIP S 470P
C14	★ 87-010-174	CAP,CHIP S 470P
C15	★ 87-010-452	CAP,CHIP 1U
C16	★ 87-010-452	CAP,CHIP 1U
C17	★ 87-010-082	CAP,ELECT 220-4
C18	★ 87-010-082	CAP,ELECT 220-4
C19	★ 87-010-184	CAP,CHIP B 3300P(K)
C20	★ 87-010-184	CAP,CHIP B 3300P(K)
C21	★ 87-010-114	CAP,ELECT 47-4
C22	★ 87-010-082	CAP,ELECT 220-4
C23	★ 87-010-082	CAP,ELECT 220-4
C24	★ 87-010-082	CAP,ELECT 220-4
C25	★ 87-010-188	CAP,CHIP 6800P
C26	★ 87-010-188	CAP,CHIP 6800P
C27	★ 87-010-193	CAP,CHIP 0.033
C28	★ 87-010-193	CAP,CHIP 0.033
C29	★ 87-010-194	CAP,CHIP 0.047
C30	★ 87-010-194	CAP,CHIP 0.047
C31	★ 87-010-214	CAP,CHIP TANTALUM 0.68-16
C32	★ 87-010-214	CAP,CHIP TANTALUM 0.68-16
C33	★ 87-010-186	CAP,CHIP 4700P
C34	★ 87-010-186	CAP,CHIP 4700P
C35	★ 87-010-452	CAP,CHIP 1U
C36	★ 87-010-452	CAP,CHIP 1U
C37	★ 87-010-226	CAP,TANTALUM 47-4
C38	★ 87-010-082	CAP,ELECT 220-4
C40	★ 87-010-082	CAP,ELECT 220-4
C45	★ 87-010-082	CAP,ELECT 220-4
C46	★ 87-010-426	CAP,CHIP 0.012BK
C47	★ 87-010-425	CAP,CHIP 0.22
C48	★ 87-010-197	CAP,CHIP 0.01BK
C49	★ 87-015-934	CAP,CHIP TANTALUM 2.2-4
C50	★ 87-010-494	CAP,ELECT GAS 1-50
C51	★ 87-010-501	CAP,ELECT 47-4
C101	★ 87-015-933	CAP,CHIP TANTALUM 1-10
C153	★ 87-010-186	CAP,CHIP 4700P
C154	★ 87-010-197	CAP,CHIP 0.01BK
C155	★ 87-010-082	CAP,ELECT 220-4
C201	★ 87-010-178	CAP,CHIP 1000P BK
C202	★ 87-010-197	CAP,CHIP 0.01 BK
C203	★ 87-010-187	CAP,CHIP 5600P BK
C204	★ 87-010-312	CAP,CHIP 15P CH
C205	★ 87-010-230	CAP,TANTALUM 10-4
C206	★ 87-010-197	CAP,CHIP 0.01 BK
C207	★ 87-010-194	CAP,CHIP 0.047
C208	★ 87-010-197	CAP,CHIP 0.01 BK
C209	★ 87-010-197	CAP,CHIP 0.01 BK
C210	★ 87-010-184	CAP,CHIP 3300P BK
C211	★ 87-010-158	CAP,CHIP 22P
C212	★ 87-010-197	CAP,CHIP 0.01 BK
C213	★ 87-010-082	CAP,ELECT 220-4
C214	★ 87-010-196	CAP,CHIP 0.1
C215	★ 87-010-321	CAP,CHIP 82P CH
C217	★ 87-010-425	CAP,CHIP 0.22
C218	★ 87-010-191	CAP,CHIP 0.015 BK
C219	★ 87-010-178	CAP,CHIP 1000P BK
C220	★ 87-010-313	CAP,CHIP 0.015 BK
C221	★ 87-010-194	CAP,CHIP 0.047
C222	★ 87-010-318	CAP,CHIP 47P CH
C223	★ 87-010-197	CAP,CHIP 0.01 BK
C224	★ 87-010-196	CAP,CHIP 0.1
C225	★ 87-010-311	CAP,CHIP 12P CH
C226	★ 87-010-318	CAP,CHIP 47P CH
C227	★ 87-010-158	CAP,CHIP 22P
C228	★ 87-010-173	CAP,CHIP 390P
C229	★ 87-010-152	CAP,CHIP 8P CH
C230	★ 87-010-177	CAP,CHIP 820P SL
C231	★ 87-010-194	CAP,CHIP 0.047
C232	★ 87-010-115	CAP,ELECT 100-4
C233	★ 87-010-178	CAP,CHIP 1000P BK
C234	★ 87-010-452	CAP,CHIP 1U
C236	★ 87-010-197	CAP,CHIP 0.01 BK
C237	★ 87-010-452	CAP,CHIP 1U
C238	★ 87-010-196	CAP,CHIP 0.1
C239	★ 87-015-835	CAP,CHIP 0.047 DM
C240	★ 87-012-140	CAP,CHIP 470P CH
C241	★ 87-010-184	CAP,CHIP 3300P BK
C242	★ 87-010-426	CAP,CHIP S 0.012
C245	★ 87-010-426	CAP,CHIP S 0.012
C246	★ 87-010-196	CAP,CHIP 0.1
C247	★ 87-010-196	CAP,CHIP 0.1
C248	★ 87-010-452	CAP,CHIP 1U
C251	★ 87-010-197	CAP,CHIP 0.01 BK
C252	★ 87-010-152	CAP,CHIP 8P CH
C253	★ 87-010-197	CAP,CHIP 0.01 BK
C254	★ 87-010-197	CAP,CHIP 0.01 BK
C255	★ 87-010-197	CAP,CHIP 0.01 BK
C256	★ 87-010-197	CAP,CHIP 0.01 BK

※ Please order the all parts for this model to Japan.

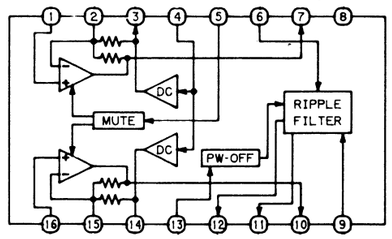
REF. No.		PART No.	DESCRIPTION
C257	★	87-010-452	CAP,CHIP 1U
C258	★	87-010-498	CAP,ELECT GAS 10-16
C259	★	87-010-197	CAP,CHIP 0.01 BK
C260	★	87-010-224	CAP,TANTALUM 100-4
C261	★	87-010-196	CAP,CHIP 0.1
C262	★	87-010-318	CAP,CHIP 47P CH
C263	★	87-010-196	CAP,CHIP 0.1
C268	★	87-010-082	CAP,ELECT 220-4
C269	★	87-010-197	CAP,CHIP 0.01 BK
C270	★	87-010-497	CAP,ELECT GAS 4.7-35
CF1	★	87-008-299	FILTER SFT 10.7MS2Z
CF2	★	87-008-284	FILTER PFB 468J
D1		87-020-339	DIODE,CHIP 1SS226
D2		87-020-125	DIODE,CHIP 1SS181
D103		87-020-734	DIODE,CHIP MA704
D109		87-020-734	DIODE,CHIP MA704
D201	★	87-011-209	DIODE,VAR SVC341
D202	★	87-011-210	DIODE,VAR KV1330A-2
D203	★	87-011-209	DIODE,VAR SVC341
D204		87-020-734	DIODE,CHIP MA704
D216		87-020-027	DIODE,CHIP 1SS184
D217		87-020-027	DIODE,CHIP 1SS184
D218		87-020-027	DIODE,CHIP 1SS184
D219		87-020-125	DIODE,CHIP 1SS181
D220		87-020-027	DIODE,CHIP 1SS184
D222		87-020-595	DIODE,ZENER CHIP 02CZ16Y
D223		87-020-125	DIODE,1SS181
J1		87-049-411	JACK 3.5 G (PHONES)
J2		87-049-549	JACK DC (DC 2V)
L1	★	84-435-624	COIL CHIP 1UH
L2	★	84-435-624	COIL CHIP 1UH
L3	★	84-435-624	COIL CHIP 1UH
L22	★	87-003-089	COIL,CHOKE 47UH
L30		87-007-179	COIL CHOKE 0.15UH
L31	★	87-006-139	COIL ANT,FERRITE BAR
L32	★	87-007-200	COIL DET FM CP
L33	★	84-435-611	COIL FM RF
L34	★	84-435-613	COIL FM OSC
L35	★	87-008-122	COIL OSC AM CP
L36	★	87-008-321	IFT AM 5CDL
L37	★	87-005-258	COIL CHIP 2.2UH
L38	★	84-427-608	COIL DC-DC
L39	★	87-005-261	COIL CHIP 6.8UH
R293	★	84-435-630	THERMISTOR MPT 3.9K
S1		87-031-992	SLIDE SW (REVERSE MODE)
S2		87-036-016	SLIDE SW (TAPE)
S3		87-036-016	SLIDE SW (DOLBY NR)
S4		87-031-994	SLIDE SW (FUNCTION)
S5		87-031-993	LEAF SW (STOP)
S6		87-036-073	TACT SW (FF)
S7		87-036-073	TACT SW (REW)
S9		87-036-017	SLIDE SW (BAND)
S10		87-036-016	SLIDE SW (PAUSE)
SFR1	★	87-024-058	SFR 500
SFR2	★	87-024-058	SFR 500
SFR101	★	87-021-944	SFR 20K
SFR102	★	87-021-997	SFR 22K
SFR103	★	87-024-067	SFR100K
TC101	★	87-011-189	TRIMMER CTZ-10A
TC102	★	87-011-189	TRIMMER CTZ-10A
TC103	★	87-011-189	TRIMMER CTZ-10A
TC104	★	87-011-189	TRIMMER CTZ-10A
VR1		87-021-985	VOLUME 20KA S (VOLUME)
VR6		87-024-055	VOLUME 100K (TUNING)

REF. No.		PART No.	DESCRIPTION
			☲☲☲ DISPLAY CIRCUIT BOARD SECTION ☲☲☲
PCB-B		84-436-602	DISPLAY CIRCUIT BOARD
C249	★	87-010-452	CAP,CHIP 1U
C250	★	87-010-196	CAP,CHIP 0.1
C263	★	87-010-192	CAP,CHIP 0.022 BK
D206	★	87-020-508	LED CHIP(TUNING POINT)
D207	★	87-020-508	LED CHIP(TUNING POINT)
D208	★	87-020-508	LED CHIP(TUINNG POINT)
D209	★	87-020-508	LED CHIP(TUNING POINT)
D210	★	87-020-508	LED CHIP(TUNING POINT)
D211	★	87-020-508	LED CHIP(TUNING POINT)
D212	★	87-020-508	LED CHIP(TUNING POINT)
D213	★	87-020-508	LED CHIP(TUNING POINT)
D214	★	87-020-508	LED CHIP(FWD ► OPE/BATT)
D215	★	87-020-508	LED CHIP(REV ◄)
S111		87-036-072	TACT SW (FM PRESET MANUAL)
S112		87-036-072	TACT SW (FM PRESET STATION C)
S113		87-036-072	TACT SW (FM PRESET STATION B)
S114		87-036-072	TACT SW (FM PRESET STATION A)
			☲☲☲ CONNECTION CIRCUIT BOARD SECTION ☲☲☲
PCB-C		84-436-607	CONNECTION CIRCUIT BOARD
			☲☲☲ G.EQ CIRCUIT BOARD SECTION ☲☲☲
		84-436-603	G.EQ ASSY (W/PCB-D)
			☲☲☲ HEAD CIRCUIT BOARD SECTION ☲☲☲
PH		84-436-608	PH ASSY (W/PCB-E)
PH		86-530-610	HEAD PH
	★	84-435-619	FLEXIBLE CIRCUIT BOARD
			☲☲☲ MOTOR CIRCUIT BOARD ☲☲☲
M1		86-530-636	MOTOR(R) ASSY (W/PCB-F)
			☲☲☲ SENSOR CIRCUIT BOARD SECTION ☲☲☲
PCB-G		86-530-623	SENSOR CIRCUIT BOARD
PR1		87-022-507	PHOTO SENSOR SPI900(O)
			☲☲☲ BATT.CON. CIRCUIT BOARD SECTION ☲☲☲
PCB-H		*	BATT.CON.CIRCUIT BOARD
		84-435-246	TERMINAL ASSY
			☲☲☲ FM PRESET VR CIRCUIT BOARD SECTION ☲☲☲
PCB-I		*	FM PRESET VR CIRCUIT BOARD
VR3		87-024-054	VOLUME 100K (PRESET A)
VR4		87-024-054	VOLUME 100K (PRESET B)
VR5		87-024-054	VOLUME 100K (PRESET C)
			☲☲☲ MISCELLANEOUS ☲☲☲
		84-436-607	FLEXIBLE 18P
S8		86-530-622	LEAF SW (PLAY)

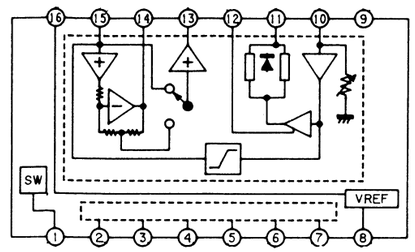
Combination circuit board 84-436-613
PCB-A 84-436-614
PCB-H 84-436-615
PCB-I 84-436-616

IC BLOCK DIAGRAM-1 (HS-J101/J700/T101/T700)

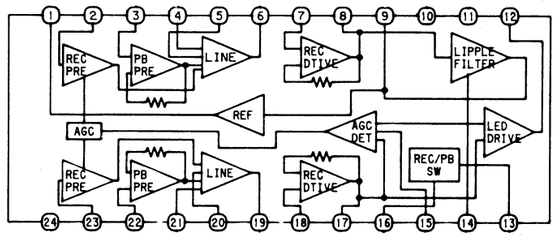
IC TA 7688



IC NJM 2063



IC CX 20023

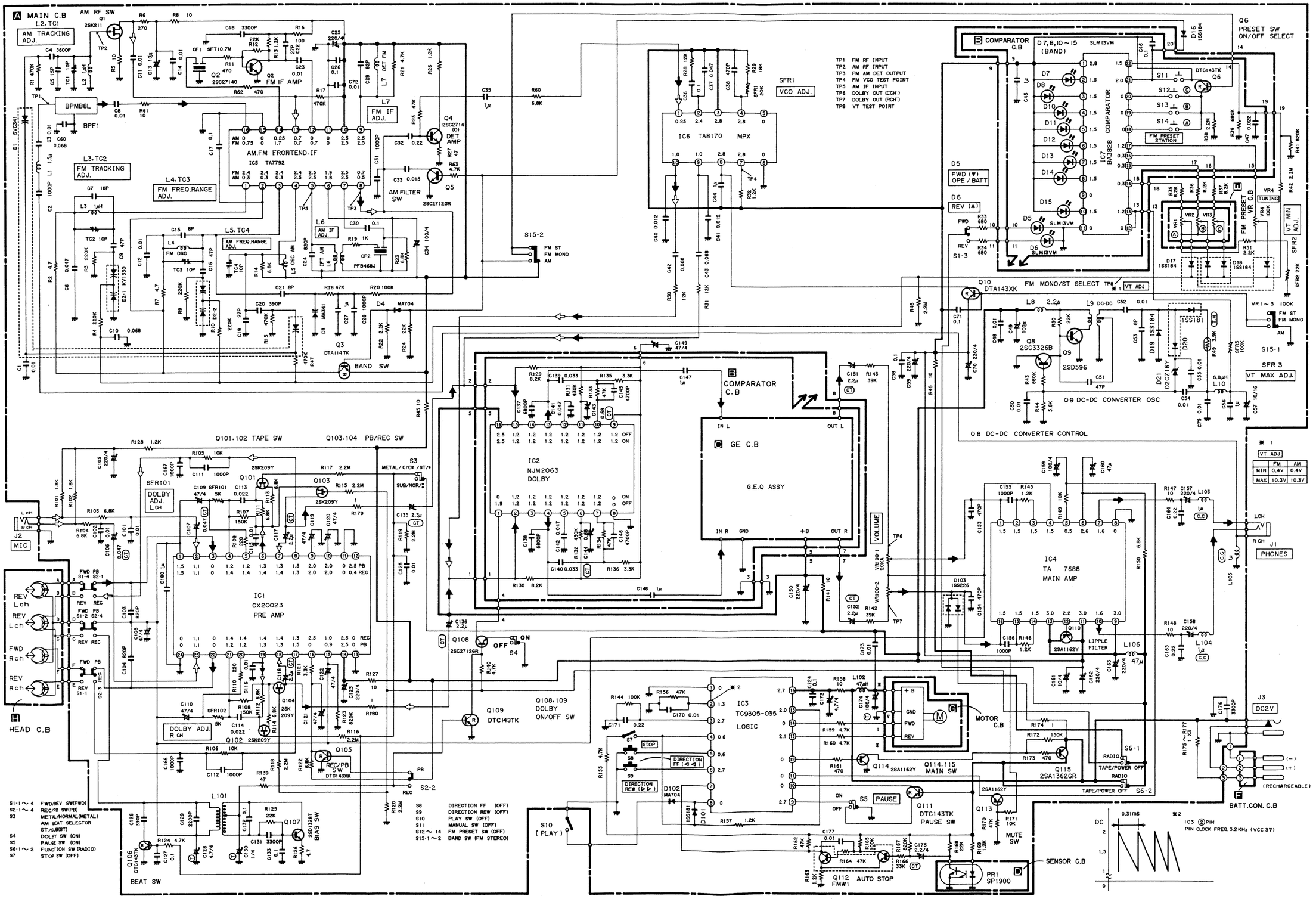


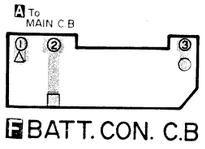
■ACCESSORIES/PACKAGE LIST (HS-T101/T700)

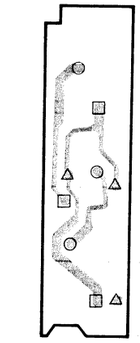
※ Please order the all parts for this model to Japan.

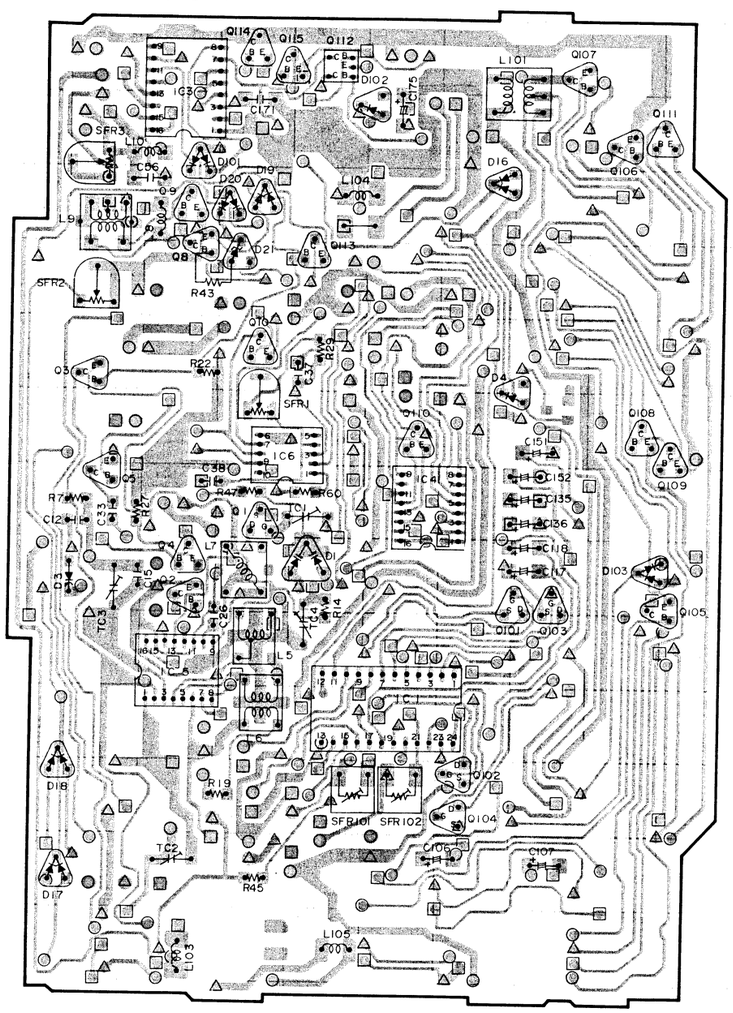
PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q, TY
	1	★84-436-907	INSTRUCTION BOOKLET (YU ONLY)	*	1
	2	★84-436-906	INSTRUCTION BOOKLET (Y ONLY)	*	1
	3	84-435-019	BATTERY BOX A HS-J101/J700		1
	4	09-027-496	BATTERY CASE ASSY (UM-4)		1
	5	★84-436-952	CARRYING CASE		1
	6	★87-048-131	HP-08 (Y1 ONLY)		1
	7	★87-048-134	HP-M13 (Y,YU ONLY)		1
	8	★87-042-038	AC-200H (H ONLY)		1
	9	★87-042-039	AC-200U (U ONLY)		1

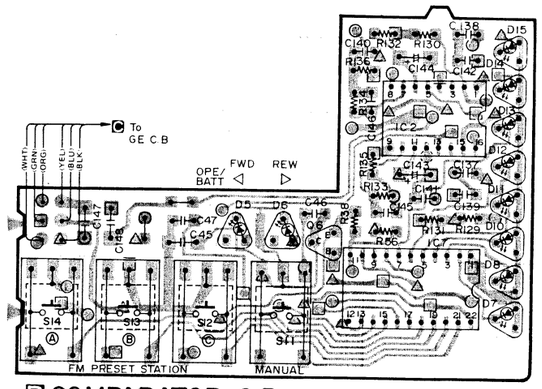
SCHEMATIC DIAGRAM-1 (HS-J101/J700)

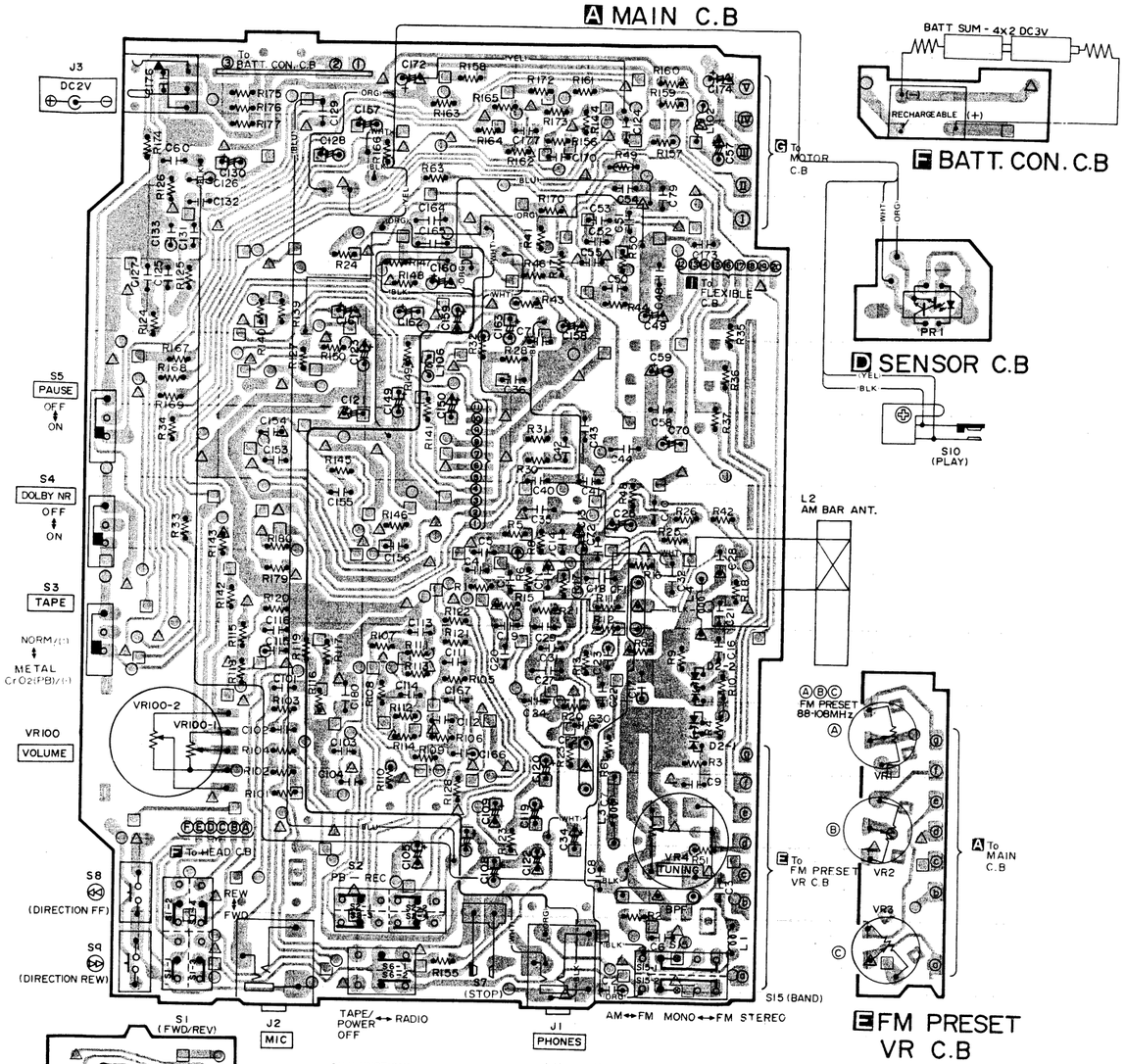


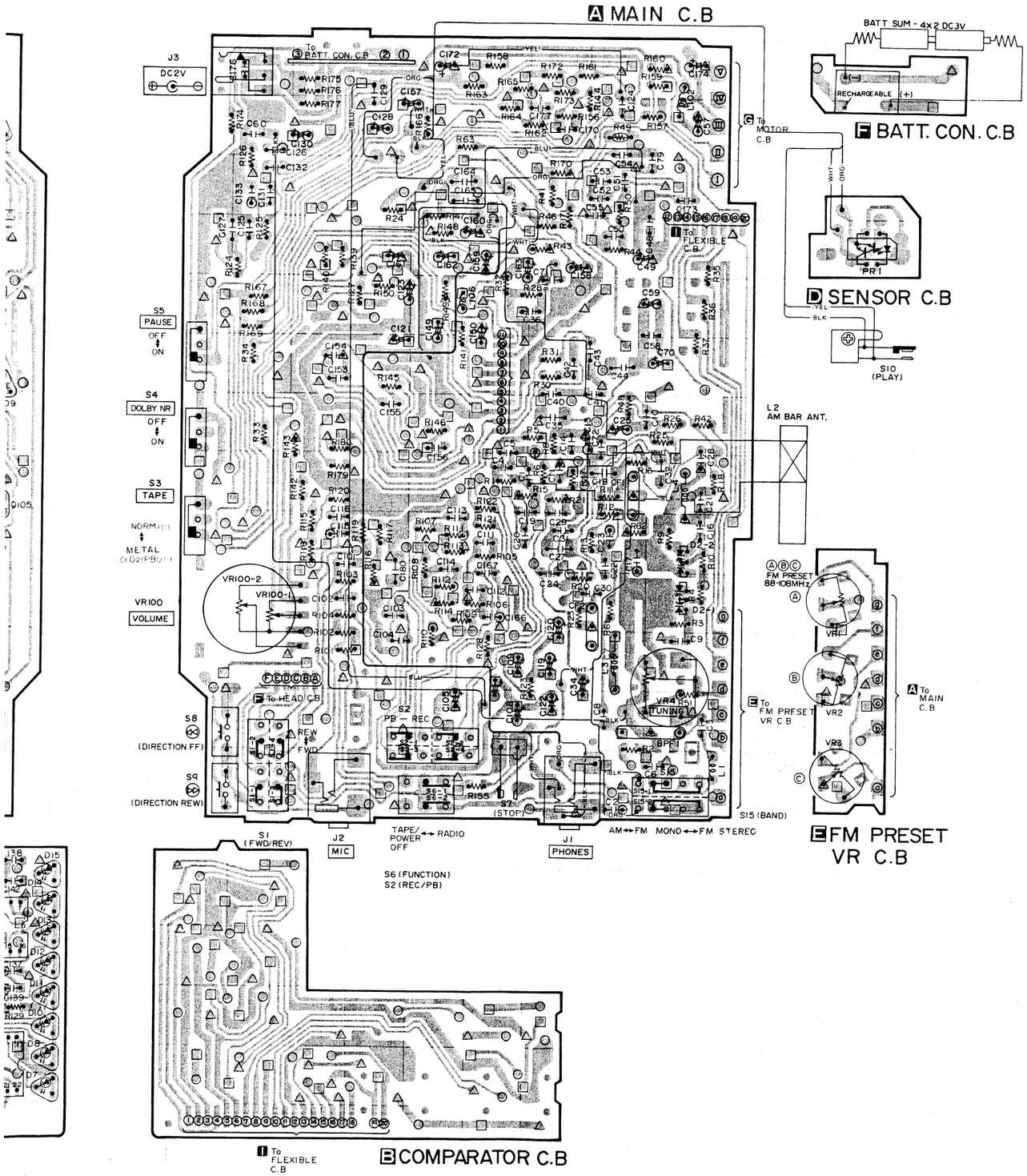

A To MAIN C.B
F BATT. CON. C.B

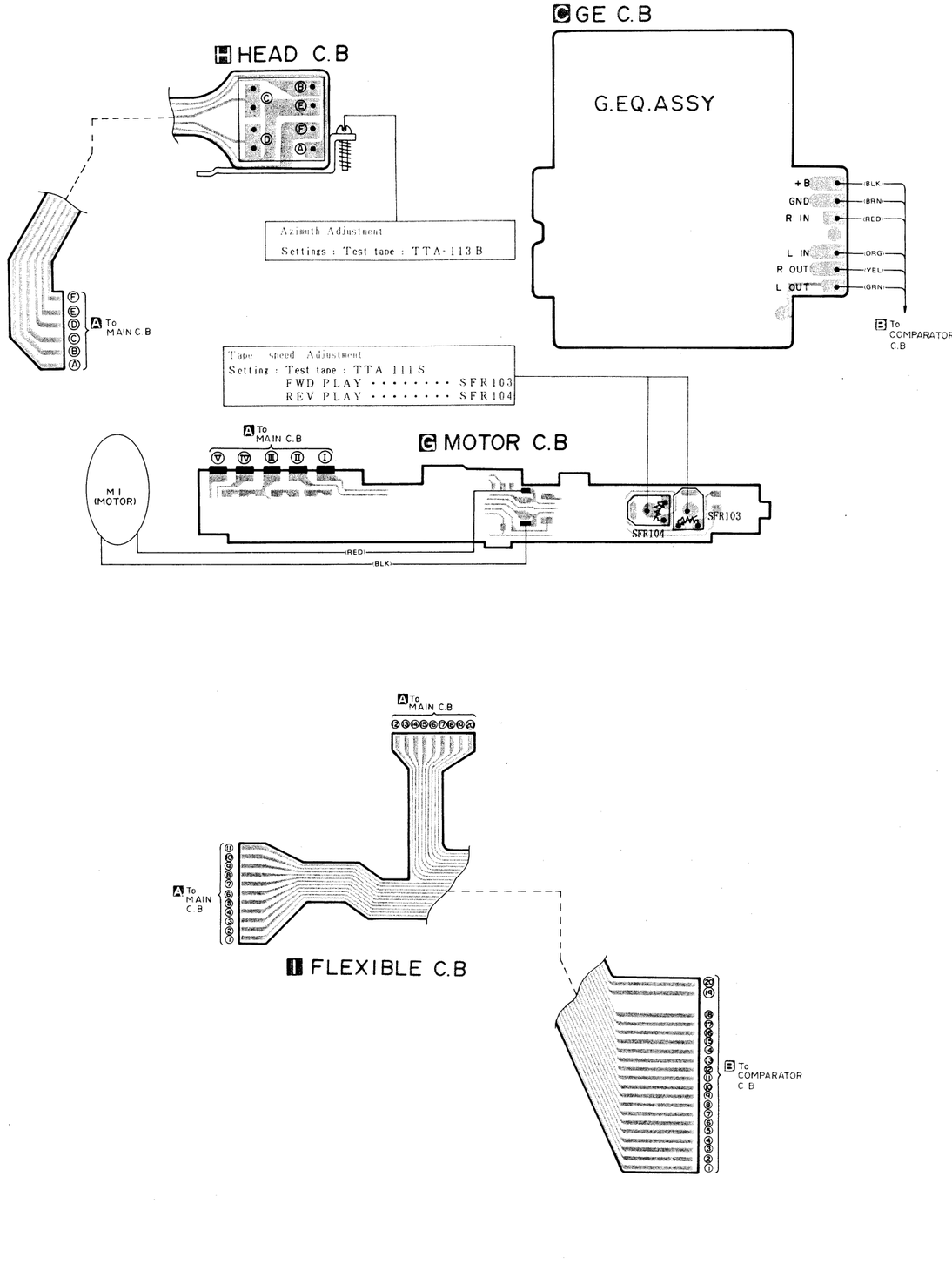

E FM PRESET VR C.B


A MAIN C.B


To GE C.B
FM PRESET STATION
MANUAL
B COMPARATOR C.B


A MAIN C.B
BATT SUM - 4X2 DC3V
RECHARGEABLE (+)
F BATT. CON. C.B
D SENSOR C.B
S10 (PLAY)
L2 AM BAR ANT.
E FM PRESET VR C.B
S1 (FWD/REV)
S6 (FUNCTION)
S2 (REC/PB)
B COMPARATOR C.B


A MAIN C.B
J3
DC2V
To BATT CON. C.B
BATT SUM - 4×2 DC3V
RECHARGEABLE (+)
F BATT. CON. C.B
G To MOTOR C.B
PR1
D SENSOR C.B
To FLEXIBLE C.B
S10 (PLAY)
S5 PAUSE
S4 DOLBY NR
S3 TAPE
NORM(I)
METAL CrO2(PB)(II)
VR100 VOLUME
L2 AM BAR ANT.
ABC FM PRESET 88-108MHz
VR1
VR2
VR3
E To FM PRESET VR C.B
A To MAIN C.B
To HEAD C.B
S8 (DIRECTION FF)
S9 (DIRECTION REW)
REW
FWD
PB — REC
S2 (STOP)
S15 (BAND)
AM⇔FM MONO⇔FM STEREO
S1 (FWD/REV)
J2 MIC
TAPE/ POWER OFF ⇔ RADIO
J1 PHONES
S6 (FUNCTION)
S2 (REC/PB)
I To FLEXIBLE C.B
B COMPARATOR C.B
EFM PRESET VR C.B

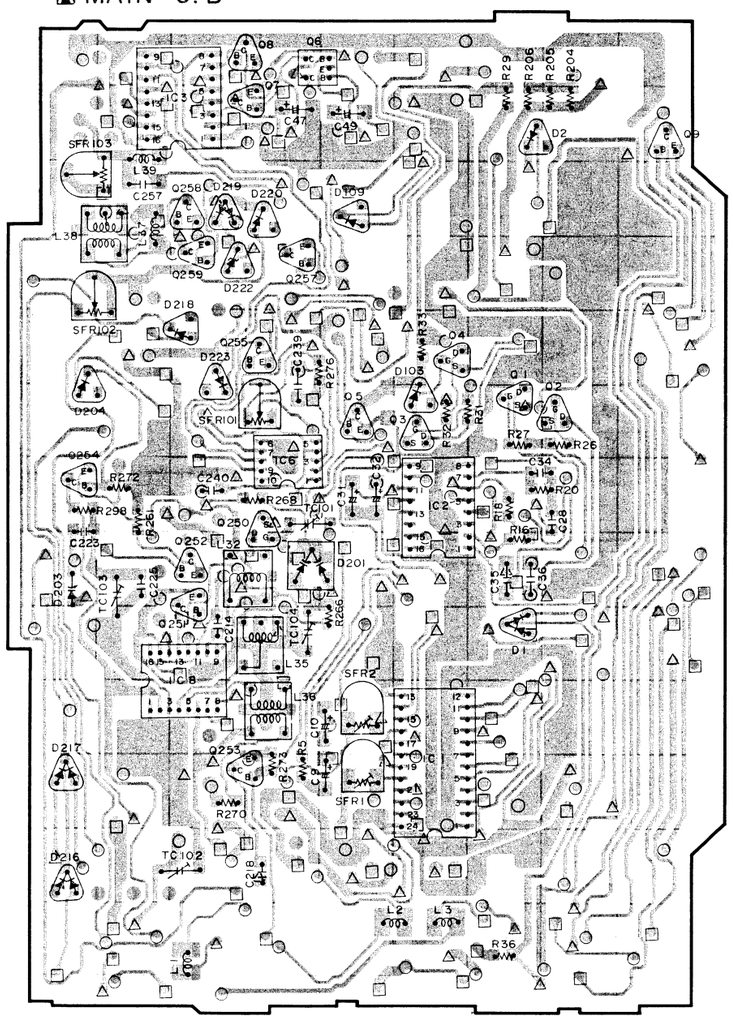

C GE C.B
H HEAD C.B
G.EQ.ASSY
+B
GND
R IN
L IN
R OUT
L OUT
(BLK)
(BRN)
(RED)
(ORG)
(YEL)
(GRN)
E To COMPARATOR C.B
Azimuth Adjustment
Settings : Test tape : TTA-113B
A To MAIN C.B
Tape speed Adjustment
Setting : Test tape : TTA 111S
FWD PLAY SFR103
REV PLAY SFR104
G MOTOR C.B
M1 (MOTOR)
SFR103
SFR104
(RED)
(BLK)
A To MAIN C.B
A To MAIN C.B
I FLEXIBLE C.B
B To COMPARATOR C.B

BATT SUM-4X2 DC3V

H BATT. CON. C.B

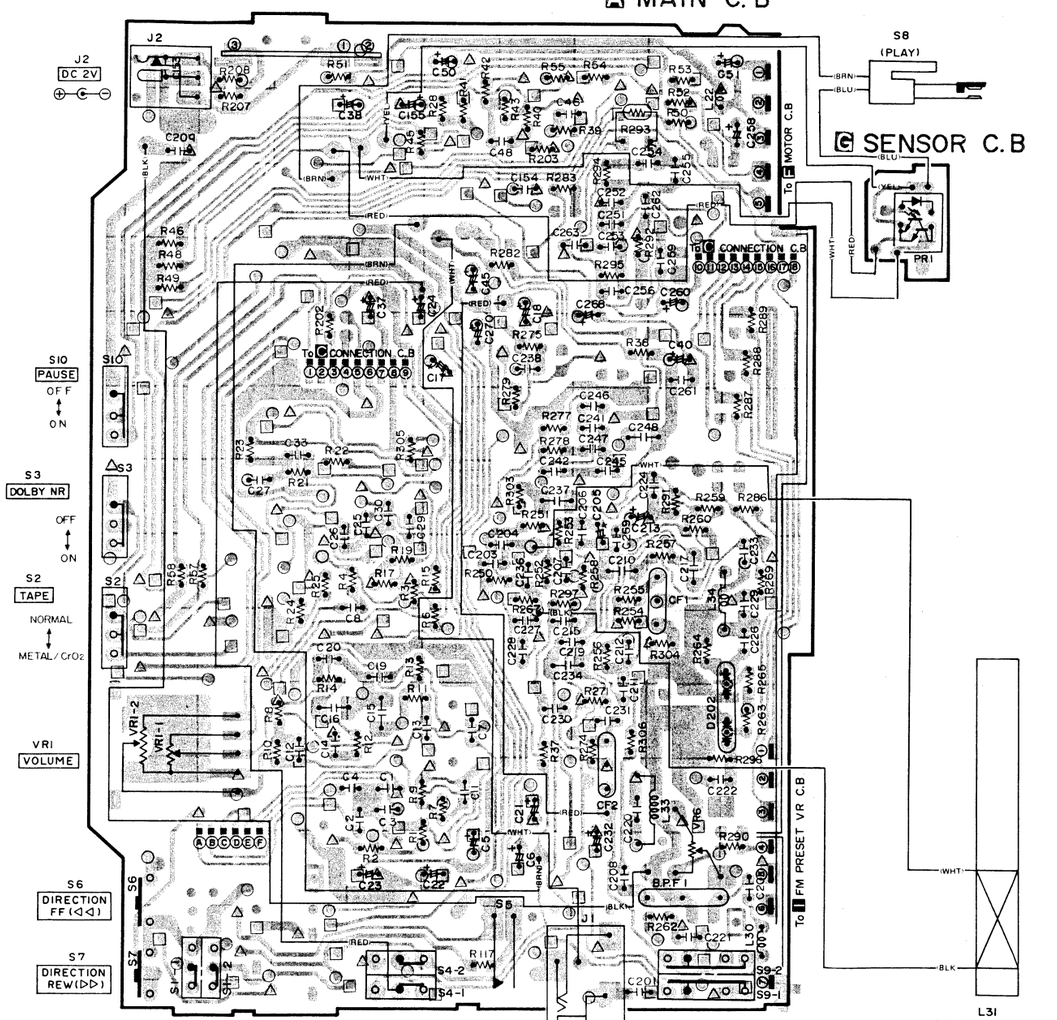
RECHANGEABLE

A MAIN C.B

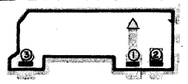


H BATT. CON. C.B

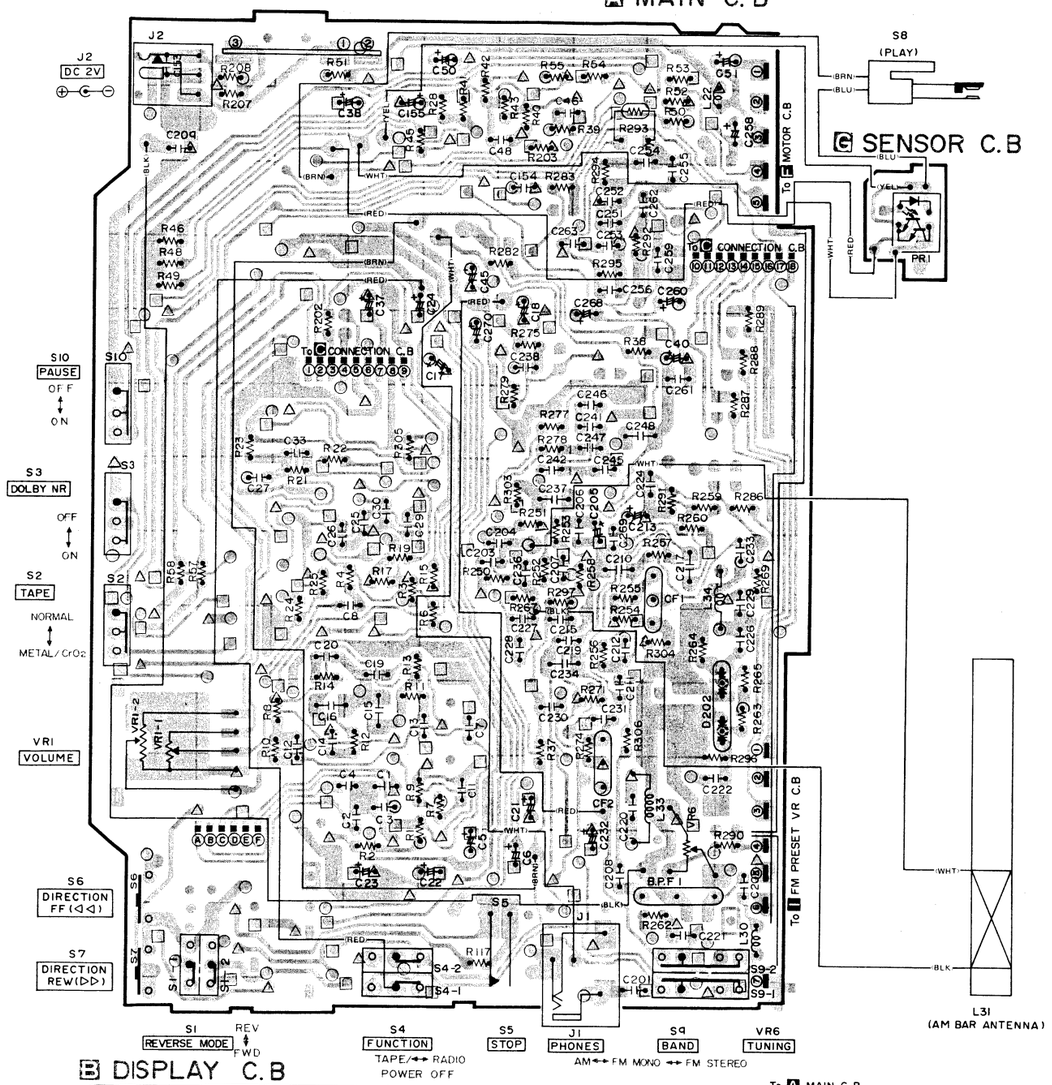
A MAIN C.B



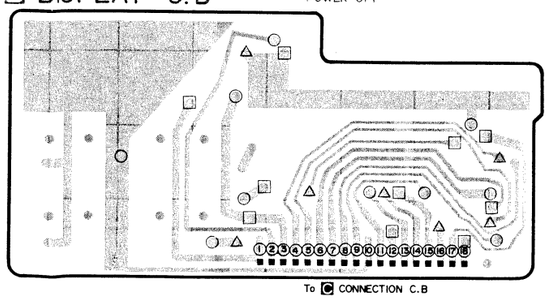
H BATT. CON. C.B

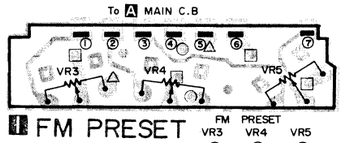


A MAIN C.B



B DISPLAY C.B

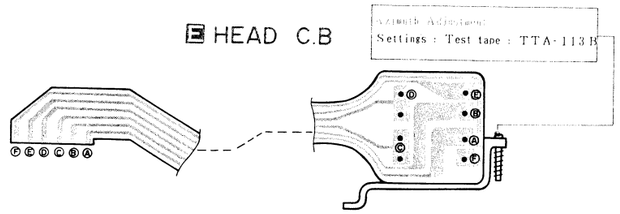




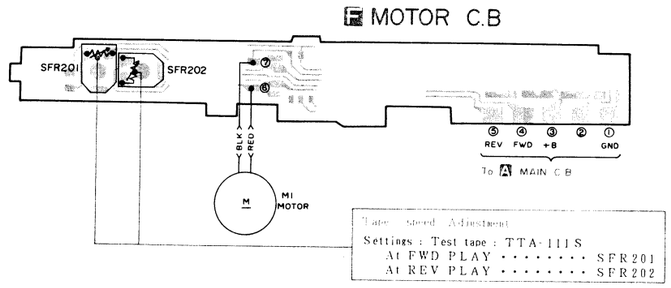
F FM PRESET VR C.B

	FM	PRESET	
	VR3 Ⓐ	VR4 Ⓑ	VR5 Ⓒ

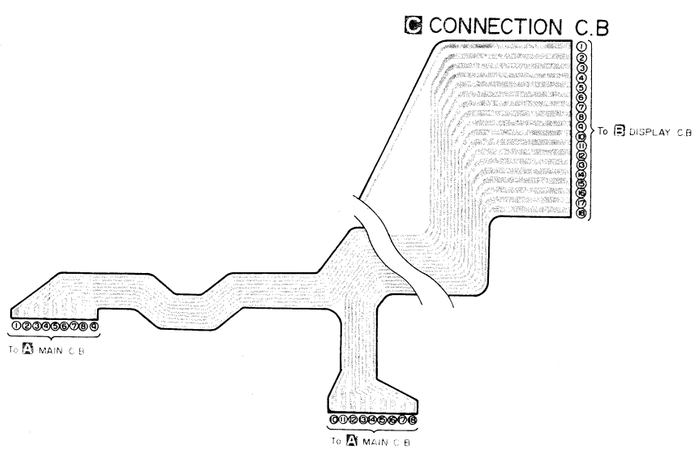
E HEAD C.B



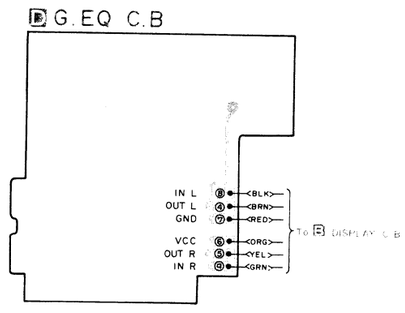
E MOTOR C.B



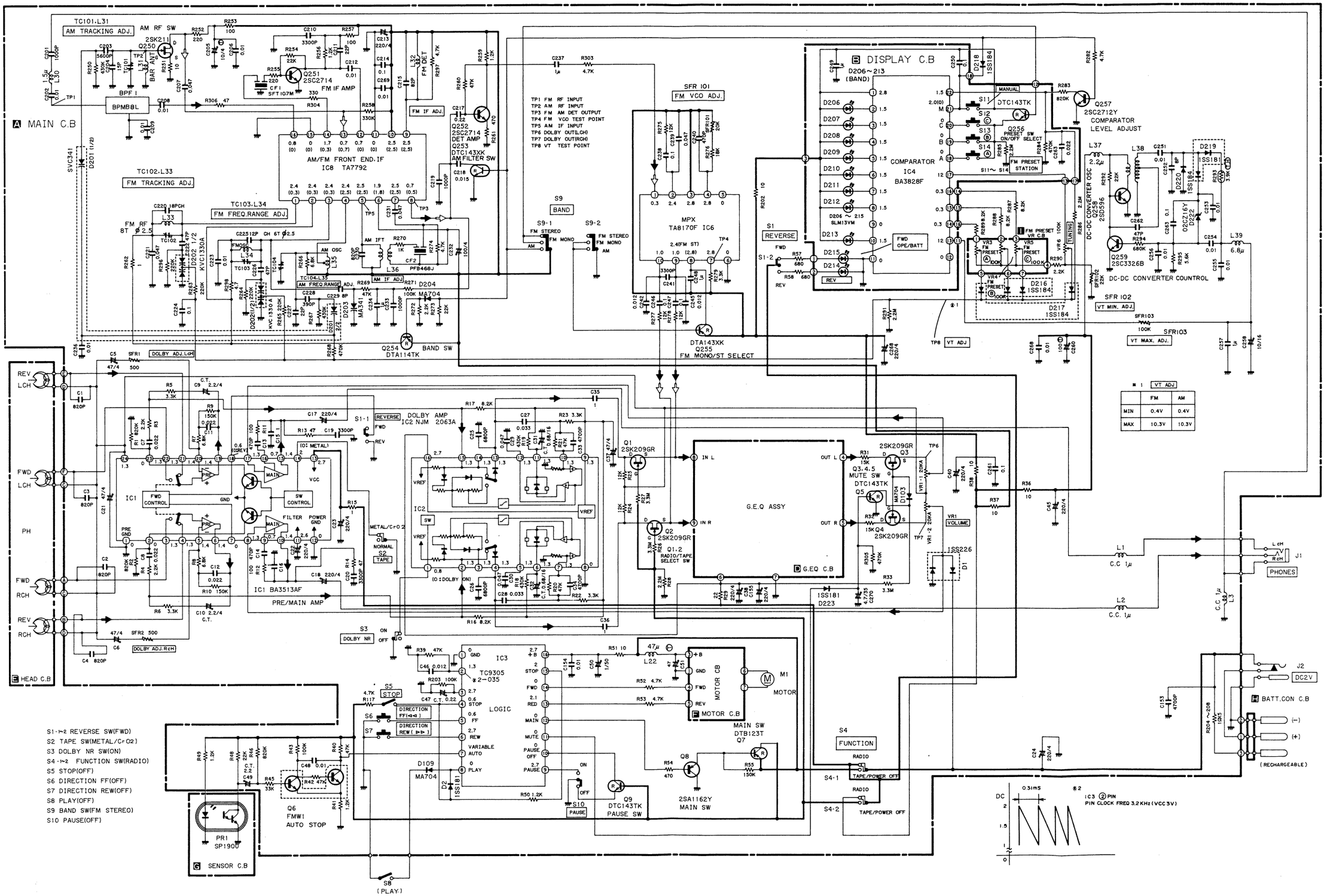
C CONNECTION C.B



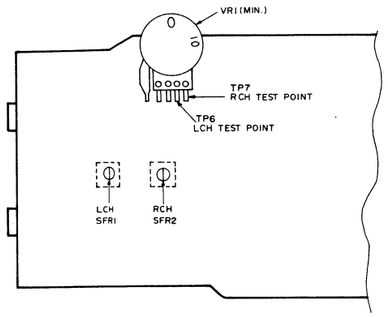
D G.EQ C.B



SCHEMATIC DIAGRAM-2 (HS-T101/T700)



DJUSTMENT (HS-J101/J700)



) FM(MAX) VT ADJUSTMENT
SFR3 ····· 10.8V±5mV

) FM(MIN) VT ADJUSTMENT
SFR2 ····· 400mV±5mV

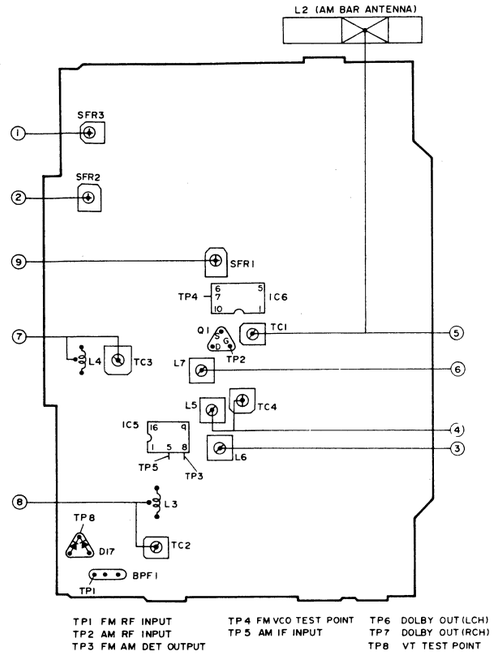
) AM IF ADJUSTMENT
L6 ····· 468kHz±3.5kHz

) AM FREQ.RANGE ADJUSTMENT
L5 ····· 515kHz
TC4 ····· 1650kHz

) AM TRACKING ADJUSTMENT
L2 ····· 600kHz
TC1 ····· 1440kHz

) FM IF ADJUSTMENT
L7 ····· 10.7MHz±0.3MHz

) FM FREQ.RANGE ADJUSTMENT
L4 ····· 87.4MHz
TC3 ····· 108.3MHz



⑧ FM TRACKING ADJUSTMENT
L3 ····· 88MHz
TC2 ····· 108MHz

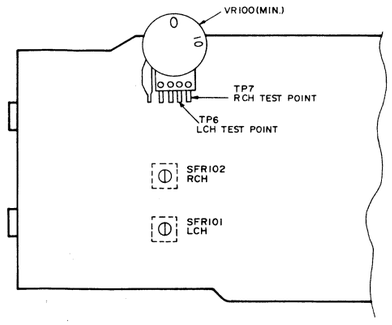
⑨ FM V.C.O ADJUSTMENT
SFR1 ····· 38kHz±5Hz

DOLBY NR Adjustment

Setting: · Tape SW: NORMAL
· DOLBY NR SW: OFF
· G.E Q.: Center
· Volume: MIN
· Test point: TP6(Lch)
TP7(Rch)
· Test tape: TTA-161

Method: Adjustment SFR1(2) so that the voltage at test point TP6-ground(TP7-ground) is 22mV±0.5dB.

ADJUSTMENT (HS-T101/T700)



① FM(MAX) VT ADJUSTMENT
SFR103 ····· 10.8V

② FM(MIN) VT ADJUSTMENT
SFR102 ····· 400mV

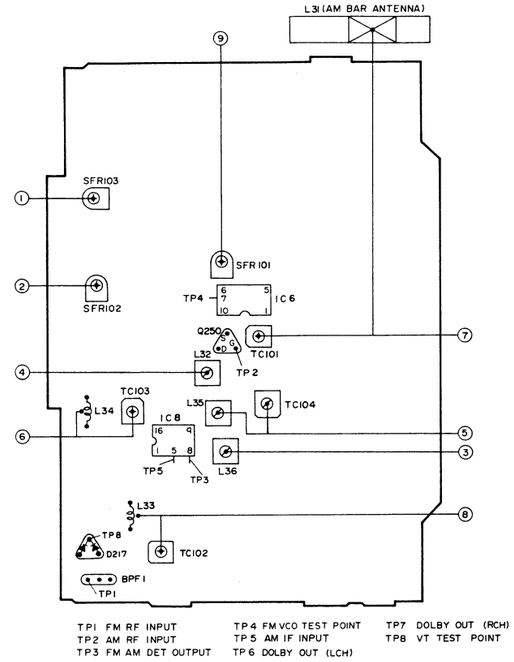
③ AM IF ADJUSTMENT
L36 ····· 468±3.5kHz

④ FM IF ADJUSTMENT
L32 ····· 10.7MHz

⑤ AM FREQ. RANGE ADJUSTMENT
L35 ····· 515kHz
TC104 ····· 1650kHz

⑥ FM FREQ. RANGE ADJUSTMENT
L34 ····· 87.4MHz
TC103 ····· 108.3MHz

⑦ AM TRACKING ADJUSTMENT
L31 ····· 600kHz
TC101 ····· 1400kHz



⑧ FM TRACKING ADJUSTMENT
L33 ····· 88MHz
TC102 ····· 108MHz

⑨ FM VCO ADJUSTMENT
SFR101 ····· 38kHz±10Hz

DOLBY NR Adjustment

Setting: · Tape SW: NORMAL
· DOLBY NR SW: OFF
· G.E Q.: Center
· Volume: MIN
· Test point: TP6(Lch)
TP7(Rch)
· Test tape: TTA-161

Method: Adjustment SFR101(102) so that the voltage at test point TP6-ground(TP7-ground) is 22mV±0.5dB.

ractical Service Figure
HS-J101/J700/T101/T700)

RADIO SECTION >

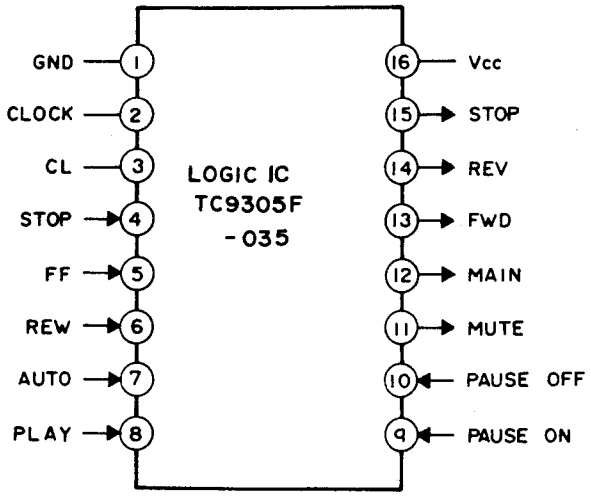
ensitivity :	
1HF, THD 3%)	FM 17 ± 5dB (at 98MHz) (HS-J101/J700)
	FM 18 ± 5dB (at 96MHz) (HS-T101/T700)
S/N 10dB)	AM 50 ± 4dB (at 1000kHz) (HS-J101/J700)
	AM 51 ± 4dB (at 1000kHz) (HS-T101/T700)
Intermediate frequency :	FM 10.7MHz AM 468kHz

< TAPE SECTION >

Record bias frequency :	54kHz (HS-J101/J700)
Erasing ratio :	58 ± 8dB (HS-J101/J700)
Wow & flutter :	Less than 0.45% (RMS)
Distortion :	Less than 3% (PB) Less than 10% (REC) (HS-J101/J700)
Signal noise ratio :	50 ± 3dB (PB) 35 ± 8dB (REC) (HS-J101/J700)
Noise level :	Less than 4mV (DC, AC/MAX PB) Less than 20mV (DC MAX REC) (HS-J101/J700)
Pinch roller pressure :	180 ± 10g
Tape up torque :	25 ~ 35g-cm (FWD) 25 ~ 40g-cm (REV)
FF/rewind torque :	60 ~ 120g-cm
Back tension :	1.5 ~ 3g-cm

I C Description (HS-J 101／J 700／T 101／T 700)
1. Terminal name

TC9305F-035 PIN NAME



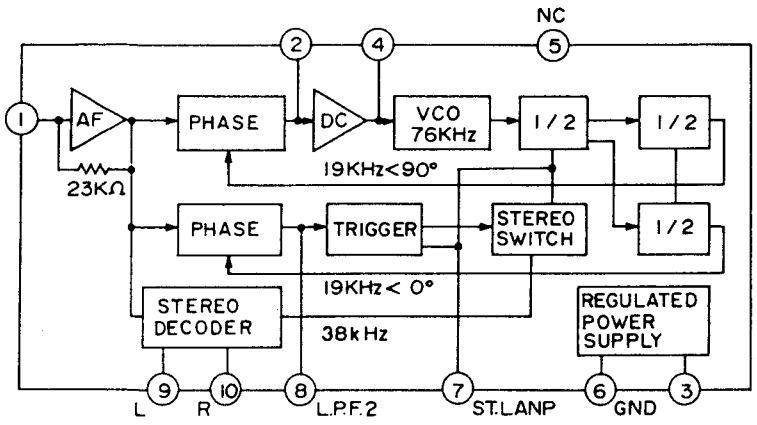
The arrow at each pin shows signal in/out

Pin No.	Pin name	Description
1	GND	Ground terminal
2	CLOCK	Clock oscillation terminal Oscillation frequency:3.2kHz
3	CL	Clear terminal "LOW" level resets the IC.
4	STOP	STOP key input. Active "HIGH"
5	FF	FF key input. Active "LOW"
6	REW	REW key input. Active "LOW"
7	AUTO	Tape end sensor input Auto operation is entered if there is no change of "HIGH" or "LOW" for 3 seconds.
8	PLAY	PLAY key input. Active "LOW"
9	PAUSE ON	PAUSE ON input. Active "LOW"
10	PAUSE OFF	PAUSE OFF input. Active "LOW"
11	MUTE	MUTE output. Outputs "HIGH" to mute the audio signal.
12	MAIN	MAIN output. Outputs "LOW" to turn on the main switch transistor.
13	FWD	FWD output. Outputs "HIGH" during FWD PLAY and REW.
14	REV	REV output. Outputs "HIGH" during REV PLAY and FF.
15	STOP	STOP output. Outputs "HIGH" during FWD and REV PLAY.
16	Vcc	Power terminal

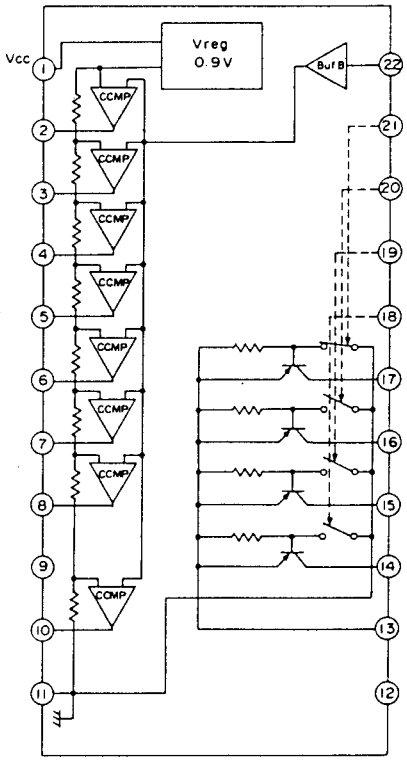
☆ "HIGH"level: more than 70% of +B voltage at pin (16)
"LOW"level: less than 30% of +B voltage at pin (16)

IC BLOCK DIAGRAM-2 (HS-J101/J700/T101/T700)

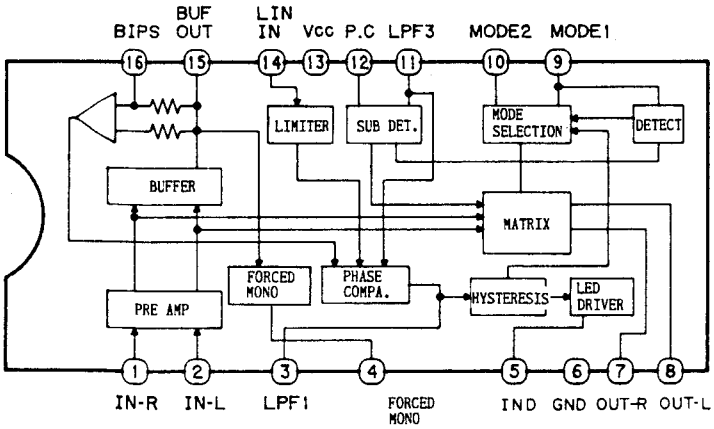
TA8170F



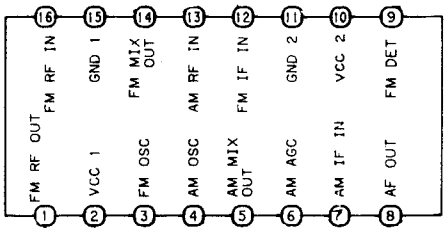
BA3828



TA7783



IC TA 7792



See the 2ME-7 Mechanism Guide (Supplement of Service Manual) for the exploded views.
The following parts have been changed for this model.

■HS-J101,J700

※ Please order the all parts for this model to Japan

ALTERATION PARTS LIST

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q, TY
	1-2	★86-530-393	T-SPRING,PINCH LEVER A(J)		1
	1-5	★86-530-394	T-SPRING,PINCH LEVER B(J)		1
	2-4	★84-437-009	PUSH-BUTTON,EJECT	HS-G101	1
NOTE)	2-8	★86-530-311	GEAR I		2
	2-14	★86-530-392	GUIDE,TAPE(J)		1
	2-22	★86-530-389	LEVER,REVERSE F		1
	2-27	★86-530-451	LEVER,LOCK(N)		1
	2-34	★84-435-008	PUSH-BUTTON,REC	*	1
	2-46	★86-530-452	LEVER,STOP(JN)		1
	2-48	★84-435-009	PUSH-BUTTON,STOP	*	1
	2-51	★86-530-472	E-SPRING,REC LEVER AN		1
	2-56	★86-530-478	E-SPRING,REC LOCK LEVER(N)		1

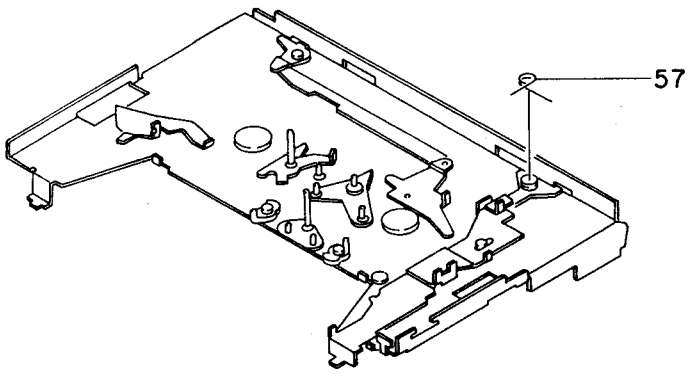
The following REF.NOS. are not used in this model.

2-9, 2-28, 2-41～2-45, 2-53

Note) 2-8, 2-9･･･Gear K is removed and 2 gears I are used.

ADDITIONAL PARTS LIST

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q, TY
	2-57	★86-530-469	T-SPRING,REC BLOCKING		1



See the 2ME-7 Mechanism Guide (Supplement of Service Manual) for the exploded views.
The following parts have been changed for this model.

■HS-T101,T700

ALTERATION PARTS LIST

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q, TY
	2-4	★84-437-009	PUSH-BUTTON,EJECT	HS-G101	1
NOTE)	2-8	★86-530-311	GEAR I		2
	2-14	★86-530-392	GUIDE,TAPE(J)		1
	2-22	★86-530-389	LEVER,REVERSE F		1
	2-23	★86-530-479	REVERSE LEVER C ASSY		1
	2-26	★86-530-477	E-SPRING,LOCK LEVER(PN)		1
	2-27	★86-530-451	LEVER,LOCK N		1
	2-46	★86-530-452	LEVER,STOP JN		1
	2-48	★84-435-009	PUSH-BUTTON,STOP		1

The following REF.NOS. are not used in this model.

1-14～1-17

2-3, 2-9, 2-28, 2-34, 2-41～2-45, 2-50～2-56

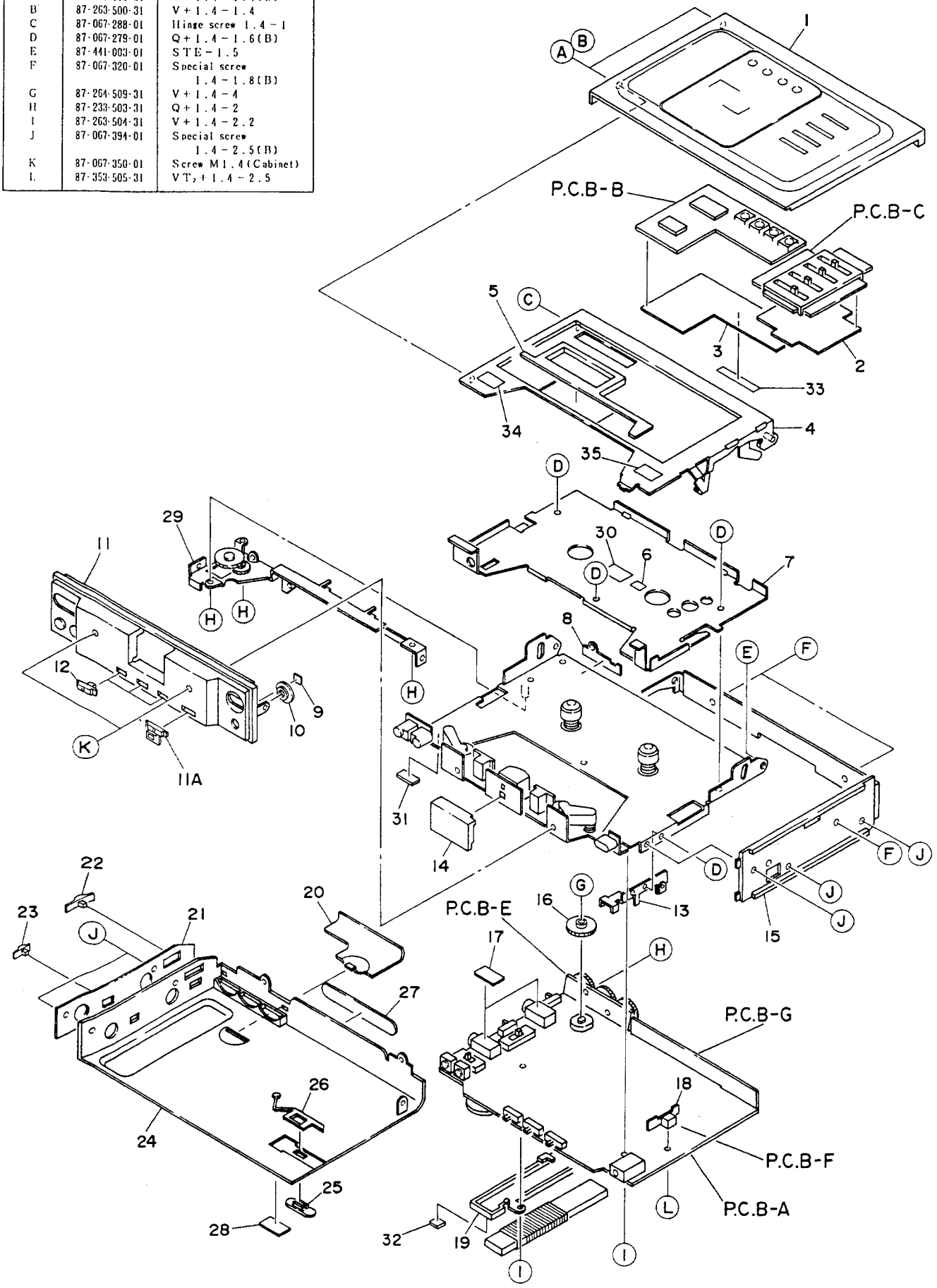
Note) 2-8, 2-9･･･Gear K is removed and 2 gears I are used.

ADDITIONAL PARTS LIST

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q, TY
	2-57	★86-530-378	HEADER SCREW,MOTOR		2

EXPLODED VIEW (HS-J101/J700/T101/T700)

Ref. No.	Part No.	Description
A	87-261-500-31	V + 1.4 - 1.4(B)
B	87-263-500-31	V + 1.4 - 1.4
C	87-067-288-01	Hinge screw 1.4 - 1
D	87-067-279-01	Q + 1.4 - 1.6(B)
E	87-441-003-01	STE - 1.5
F	87-067-320-01	Special screw 1.4 - 1.8(B)
G	87-264-509-31	V + 1.4 - 4
H	87-233-503-31	Q + 1.4 - 2
I	87-263-504-31	V + 1.4 - 2.2
J	87-067-394-01	Special screw 1.4 - 2.5(B)
K	87-067-350-01	Screw M1.4(Cabinet)
L	87-353-505-31	VT, + 1.4 - 2.5



MECHANICAL PARTS LIST (HS-J101/J700/T101/T700)

※ Please order the all parts for this model to Japan.

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q, TY
	1-1	09-027-521	CASSETTE LID ASSY Y B (HS-J101)	*	1
	1-1	09-027-522	CASSETTE LID ASSY Y S (HS-J101)	*	1
	1-1	09-027-523	CASSETTE LID ASSY YU B (HS-J700)	*	1
	1-1	09-027-524	CASSETTE LID ASSY Y B (HS-T101)	*	1
	1-1	09-027-525	CASSETTE LID ASSY Y S (HS-T101)	*	1
	1-1	09-027-526	CASSETTE LID ASSY YU S (HS-T700)	*	1
	1-2	★84-435-218	MYLAR,GEQ(HS-J101,J700)	*	1
	1-2	★84-436-202	MYLAR,GEQ(HS-T101,T700)	*	1
	1-3	★84-435-219	MYLAR,PRESET(HS-J101,J700)	*	1
	1-3	★84-436-203	MYLAR,PRESET(HS-T101,T700)	*	1
	1-4	★84-435-216	HOLDER CASSETTE ASSY(HS-J101,J700)	*	1
	1-4	★84-436-205	HOLDER CASSETTE ASSY (HS-T101,T700)		1
	1-5	---	SPACER(HS-J101,J700)		1
	1-6	★84-435-220	MYLAR,DECORATIVE PLATE	*	1
	1-7	★84-437-011	DECORATIVE PLATE		1
	1-8	★84-435-228	MYLAR,PRESET	*	1
	1-9	★82-585-357	MYLAR,4X6X0.1		1
	1-10	★84-420-019	SPACER,JACK	HS-P09	1
	1-11	★09-027-527	CONTROL PANEL ASSY(HS-J101,J700)	*	1
	1-11	★09-027-528	CONTROL PANEL ASSY(HS-T101,T700)	*	1
	1-11A	84-435-034	SLIDE KNOB,DIRECTION	*	1
	1-12	84-417-114	SLIDE KNOB J	HS-J09	3
	1-13	★84-435-210	HOLDER,DC JACK	*	1
	1-14	★84-437-007	PUSH-BUTTON,PLAY		1
	1-15	84-435-005	CENTER FRAME B	*	1
	1-15	84-436-012	CENTER FRAME S	*	1
	1-16	★84-435-203	GEAR,TU	*	1
	1-17	★84-417-612	MYLAR SHEET 7-10	HS-J09	2
	1-18	84-435-246	TERMINAL ASSY	*	1
	1-19	★84-435-208	HOLDER,BAR ANTENNA	*	1
	1-20	84-435-018	LID,PRESET B	*	1
	1-20	84-435-046	LID,PRESET S	*	1
	1-21	★84-435-047	PLATE,SIDE Y(HS-J101,J700)	*	1
	1-21	★84-436-022	PLATE,SIDE Y(HS-T101,T700)	*	1
	1-22	84-435-013	KNOB,SLIDE B	*	1
	1-23	84-435-012	KNOB,SLIDE A	*	1
	1-24	★84-435-061	CABINET,REAR Y B (HS-J101)	*	1
	1-24	★84-435-063	CABINET,REAR Y S (HS-J101)	*	1
	1-24	★84-435-062	CABINET,REAR YU B (HS-J700)	*	1
	1-24	★84-436-025	CABINET,REAR Y B (HS-T101)	*	1
	1-24	★84-436-026	CABINET,REAR Y S (HS-T101)	*	1
	1-24	★84-436-027	CABINET,REAR YU S (HS-T700)	*	1
	1-25	84-435-011	KNOB,LOCK B	*	1
	1-26	84-435-225	LEVER,LOCK	*	1
	1-27	★84-437-047	LABEL,DOLBY WARM Y B		1
	1-27	★84-437-046	LABEL,DOLBY WARM Y S		1
	1-28	★84-435-038	LABEL,CAUTION Y B	*	1
	1-28	★84-435-037	LABEL,CAUTION Y S	*	1
	1-29	★84-435-202	TU CHASSIS ASSY	*	1
	1-30	★84-437-031	SEAL,DECORATIVE		1
	1-31	---	G CUSHION 6X3X1.5		1
	1-32	---	S CUSHION 7-7-3		1
	1-33	★84-435-240	MYLAR 26-2.5-0.2(HS-J101,J700)	*	1
	1-34	★84-436-209	MYLAR 12X12X0.4(HS-T101,T700)	*	1
	1-35	★84-436-216	MYLAR 4-10-0.5(HS-T101,T700)	*	1